BRUHATH BANGALORE MAHANAGARA PALIKE

YALAHANKA ELECTRICAL DIVISION

E- MEASUREMENT BOOK

Name of work:- Annual Maintenance and repairs of street lights in ward no 05 Package Y -05 of Yelahanka Zone.

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CRR No. CONTRACT
(For Other Works)
Division: Electricals
Voucher No..... Dated.....
bulbs etc

BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 05 Package Y -05 of Yelahanka Zone.

Name of Contractror of nature of Agency:-M/S.Vinayaka Electrical
Job Code No:-005-22-000005
Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000005/22-23 Date:01/04/2022
Aggrement No & date:- 000005/22-23 Dt 01.04.2022
Measurement Book No: 2602/22-23 **Page No:** 260112 to 260114
Bill NO :- 1st RA Bill Bill Period : 01-4-2022 to 30-06-2022 (for 3 months)

Sl. No.	Discription	Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	3	523.00	57.16	89684.04
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	3	0.00	63.00	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	3	4739.00	84.91	1207165.47
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	3	88.00	93.16	24594.24

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BBMP, Bangalore

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5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	3	55.00	73.33	12099.45
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	3	184.00	95.58	52760.16
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	3	296.00	114.75	101898.00
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	3	0.00	131.25	0.00
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	3	0.00	155.91	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	0.00	550.00	0.00
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos	-	0.00	770.00	0.00

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BBMP, Bangalore

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SBR No.

(For Other Work

Sub-Division: Electrical

Cash Book Voucher No.

Job Code :-005-22-000005

lights - Replacement of Burnt bulbs

-Gage Y-05 of Yelahanka Zone"

12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA. 3 POLE		Each	-	30.00	4530.00	135900.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm		Each	-	30.00	2054.00	61620.00
1	VE/05/TL/02/00/TC273/44/LED	Near # 183/1, 3rd main 3rd cross telecom layout Jakkur.					
2	VE/05/TL/02/00/TC273/43/LED	Near # 473, 3rd main 10th cross telecom layout Jakkur.					
3	VE/05/VN/02/00/TC147/01/SV	Near # 99, 3rd Cross Venkateshwara nagara					
4	VE/05/BL/01/00/TC170/06/SV	#189/190, 2nd cross balaji krupa layout Hegde nagar					
5	VE/05/BN/ANR/01/TC92/04/SV	#68, 1st cross basalingappa nagara Hegde nagar					
6	VE/05/VER/TC/07/SV	#121, Vijayaraj estate 1st main Hegde Nagar					
7	VE/05/NE/MR/TC/92/06/S TC/07/SV	# 33, Noor Nagara 2nd Cross					
8	VE/05/CL/00/06/TC/92/07/SV	1st Main, Chokkanahalli layout					
9	VE/05/T3B/00/02/TC/390/08/SV	# 2/38, 2nd Cross					
10	VE/05/GL/01/00/TC/04/CFL	# 06, Green Garden Layout Chokkanahalli					
11	VE/05/ML/01/00/TC/03/LED	1st Cross Agrahara Layout					
12	VE/05/AMR/TC/88/83/SV	# 47, Agrahara to Sampigehalli					
13	VE/05/PL/01/00/TC/17	# 90, 1st Main, Poojamahalakshmi Layout					
14	VE/05/AL/05/00/TC/104/13/LED	# 280, 2nd Cross Agrahara					
15	VE/05/AL/RR/01/TC/101/03/SV	# 72, Agarahara Layout Infront of Gokula Reddy house,					
16	VE/05/MN/00/05/TC/107/07/S	# 146, 5th Cross, Markandeya					
17	VE/05/NL/04/00/TC/67/01/S	4th Cross Kogilu Layout					
18	VE/05/ML/01/00/TC/04/05/LED	# 12, 1st Cross Reve Collage Muneshwara Layout					
19	VE/05/KH/02/01B/TC/29B/01/SV	# 37, 1st B Cross Kattigenahalli					
20	VE/05/SL/02/00/TC/367/03/SV	# 58, Shivashakambari Nagar Kattigenahalli					
21	VE/05/VN/08/00/TC/308/06/SV	# 50, 8th Cross Vinayaka					
22	VE/05/AN/03/00/TC/470/03/SV	# 44, 3rd Cross Ananda Nagara Bagalur Cross					
23	VE/05/VN/05/TC/776/02/LED	# 99, 5th Cross Vinayaka					
24	VE/05/DN/06/00/TC/15/05/SV	# 32, 6th Cross Dwaraka					
25	VE/05/MN/00TC/405/08/SV	# 23, 2nd Cross, Muneshwara Layout, Kattigenahlli					
26	VE/05/KH/03/02A/TC/462/05/LED	3rd Cross, Vakkaligara Beedi, Kattigenahalli					
27	VE/05/HL/01/00/TC/520/06/S	# 27, 1st Main, Hemanna swamy Layout Kattigenahali					
28	VE/05/KMR/TC/306/18/SV	Kogilu BBMP Office,					
29	VE/05/BMR/TC/62/151/SV	8th Cross Kogilu					

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30	VE/05/AL/09/08/TC/260/08/3V	8th Cross Anjaneya swamy Agrahara Layout					
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm		Mtr	-	252.00	150.00	37800.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required On wall /Structure 6 sqmm to 16 sqmm		Mtr	-	252.00	30.00	7560.00
	40 Nos x 6.3 Mtrs = 252 Mtrs	Details same as item no 13					
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps		Each	-	15.00	7200.00	108000.00
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers		Each	-	14.00	4030.00	56420.00
1	Near Shiva Parvathi Temple Shivapura Bagalur main road						
2	Near Big Market Vinayaka nagara Bagalur main road						
3	# 5, Agrahara to Sampigehalli road						
4	Near Country Club Bagalur main road						
5	# 18, Nooi Nagara 1st Cross						
6	Near Scrap melting factory Reva collage road						
7	Near Bellahalli bridge Bellahalli main road						
8	#168, 2nd cross balaji krupa layout Hegde nagar						
9	Bellahalli busstand						
10	Near Huz Bhavan Thirumanahalli Hegade Nagara main road						
11	1st Cross Agrahara Layout						
12	Telecom Layout 8th Cross Srirampura						
13	Near 11th Cross MCECHS Layout Phase 1 Shivaramakarantha						
14	# 15, 7th Cross Vinayaka Nagara						
15	Opp KNS collage Thirumenahalli Hegade Nagara main road						
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP		Each		19.00	723.00	13737.00
	TOTAL Rs						1909238.36
	Add GST 12 % on item no 10 to 17				421037.00		50524.44
	TOTAL Rs						**1959762.80**
	Fine imposed for non burning of street lights For the period of						7500.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material						38184.77
	GRAND TOTAL						**1914078.03**

CERTIFICATE

1. This is to certify that the work done is saticefactorily.
2. This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst. Exe. Engineer(Elec)
Yalahanka Division

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು (ವಿದ್ಯುತ್)
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು

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